

CLAIMS

What is claimed is:

- 1 1. A computing device, comprising:
2 a chassis that contains information processing logic;
3 and
4 a display panel rotatably coupled to the chassis, the
5 display panel including a housing to contain a display
6 screen and a plurality of antennas each operating at a
7 different center frequency.
- 1 2. The computing device of claim 1, wherein each of
2 the plurality of antennas is coupled to a dedicated front-
3 end.
- 1 3. The computing device of claim 2, wherein the
2 dedicated front-ends associated with the plurality of
3 antennas is contained within the housing.
- 1 4. The computing device of claim 2, wherein the
2 corresponding plurality of front-ends are coupled to the
3 information processing logic of the chassis through a link.
- 1 5. The computing device of claim 1, wherein the
2 chassis includes a top surface integrated with an
3 alphanumeric keyboard.
- 1 6. The computing device of claim 1, wherein the
2 plurality of antennas contained in the housing of the
3 display panel enable service to a wireless local area
4 network operating in accordance with an IEEE 802.11 standard

5 and at least one of a Bluetooth based network and a
6 HiperLAN/x based network.

1 7. The computing device of claim 6, wherein the
2 plurality of antennas contained in the housing of the
3 display panel further enable service to a global positioning
4 system.

1 8. The computing device of claim 1, wherein the
2 plurality of antennas contained in the housing of the
3 display panel enable service to a Bluetooth based network
4 and at least one of a global positioning system and a
5 HiperLAN/x based network.

1 9. The computing device of claim 1, wherein the
2 plurality of antennas contained in the housing of the
3 display panel enable service to at least two of a wireless
4 local area network operating in accordance with an IEEE
5 802.11 standard, a global positioning system, a Bluetooth
6 based network and a HiperLAN/x based network.

1 10. The computing device of claim 1, wherein the
2 plurality of antennas receive RF signals having different
3 center frequencies.

1 11. Configured for a computing device, a display panel
2 comprising:
3 a housing;
4 a display screen having a backside partially protected
5 by the housing; and

6 a plurality of antennas placed within the housing, each
7 of the plurality of antennas operating at a different center
8 frequency.

1 12. The display panel of claim 11, wherein each of the
2 plurality of antennas is coupled to a dedicated front-end.

1 13. The display panel of claim 11, wherein the display
2 screen is a liquid crystal display (LCD) screen.

1 14. The display panel of claim 11, wherein the
2 plurality of antennas enable service to at least two of a
3 wireless local area network, a global positioning system, a
4 high performance radio local area network, and a Bluetooth
5 based network.

1 15. A computing device comprising:
2 a chassis to protect logic including a processor and a
3 chipset coupled to the processor; and
4 a display panel including a housing partially
5 surrounding a display screen and substantially containing a
6 plurality of antennas each operating at a different center
7 frequency, the display panel in communication with the logic
8 protected by the housing.

1 16. The computing device of claim 15, wherein each of
2 the plurality of antennas is coupled to a unique front-end,
3 each front-end being coupled to a link.

1 17. The computing device of claim 16, wherein the link
2 is coupled to an accelerated graphics port of the chipset
3 employed within the chassis.

1 18. The computing device of claim 16, wherein the link
2 is a digital visual interface (DVI) cable.

1 19. The computing device of claim 18, wherein the DVI
2 cable is coupled to a graphics controller being part of the
3 logic implemented within the chassis.

1 20. The computing device of claim 19, wherein the
2 graphics controller is coupled to a Transmission Minimized
3 Differential Signaling (TMDS) transmitter.

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